

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An LED (light emitting diode) light, comprising:

(a) an LED light source;

(b) a thermoelectric device onto which said LED light source is mounted;

(c) a thermoelectric device controller configured to control said thermoelectric device to maintain said LED light source within a predetermined temperature range; and

(d) control circuitry configured to provide a pulse signal to said LED light source,

wherein said control circuitry comprises:

(d1) a variable pulse height regulator configured to provide a variable pulse height signal to said LED light source;

(d2) a solid state switch configured to provide a control of said variable pulse height regulator; and

(d3) a timer circuit configured to provide a control of said solid state switch.

Claim 2 (Original): The LED light according to claim 1, further comprising:

(e) a temperature sensor configured to sense a temperature at at least a portion of said LED light source.

Claim 3 (Original): The LED light according to claim 1, further comprising:

(e) a modulation control configured to control the pulse signal provided to said LED light source.

Claim 4 (Original): The LED light according to claim 2, further comprising:

(f) a modulation control configured to control the pulse signal provided to said LED light source.

Claim 5 (Original): The LED light according to claim 1, further comprising:

(e) an optical feedback controller configured to provide a control signal to said thermoelectric device controller.

Claim 6 (Original): The LED light according to claim 2, further comprising:

(f) an optical feedback controller configured to provide a control signal to said thermoelectric device controller.

Claim 7 (Original): The LED light according to claim 3, further comprising:

(f) an optical feedback controller configured to provide a control signal to said thermoelectric device controller.

Claim 8 (Original): The LED light according to claim 4, further comprising:

(g) an optical feedback controller configured to provide a control signal to said thermoelectric device controller.

Claim 9 (Canceled).

Claim 10 (Currently Amended): An LED (light emitting diode) light, comprising:

(a) an LED light source;

(b) a thermoelectric device onto which said LED light source is mounted;

(c) thermoelectric device control means for controlling said thermoelectric device for maintaining said LED light source within a predetermined temperature range; and

(d) control means for providing a pulse signal to said LED light source, wherein said control means comprises:

(d1) first means for providing a variable pulse height signal to said LED light source;

(d2) second means for controlling said first means;

(d3) third means for controlling said second means.

Claim 11 (Original): The LED light according to claim 10, further comprising:

(e) means for sensing a temperature at at least a portion of said LED light source.

Claim 12 (Original): The LED light according to claim 10, further comprising:

(e) means for controlling the pulse signal provided to said LED light source.

Claim 13 (Original): The LED light according to claim 11, further comprising:

(f) means for controlling the pulse signal provided to said LED light source.

Claim 14 (Original): The LED light according to claim 10, further comprising:

(e) optical feedback control means for providing a control signal for controlling said thermoelectric device control means.

Claim 15 (Original): The LED light according to claim 11, further comprising:

(f) optical feedback control means for providing a control signal for controlling said thermoelectric device control means.

Claim 16 (Original): The LED light according to claim 12, further comprising:

(f) optical feedback control means for providing a control signal for controlling said thermoelectric device control means.

Claim 17 (Original): The LED light according to claim 13, further comprising:

(g) optical feedback control means for providing a control signal for controlling said thermoelectric device control means.

Claim 18 (Canceled).

Claim 19 (Currently Amended): An obstruction light comprising:

(a) a first strobe light source for outputting strobe light of a first color;
(b) an LED (light emitting diode) strobe light for outputting light of a second color,
and comprising:

(b1) an LED light source;
(b2) a thermoelectric device onto which said LED light source is mounted;
(b3) a thermoelectric device controller configured to control said thermoelectric device to maintain said LED light source within a predetermined temperature range; and
(b4) control circuitry configured to provide a pulse signal to said LED light source,
wherein said control circuitry (b4) comprises:

(c1) a variable pulse height regulator configured to provide a variable pulse height signal to said LED light source;

(c2) a solid state switch configured to provide a control of said variable pulse height regulator; and

(c3) a timer circuit configured to provide a control of said solid state switch.

Claim 20 (Original): The obstruction light according to claim 19, wherein said LED strobe light further comprises:

(b5) a temperature sensor configured to sense a temperature at at least a portion of said LED light source.

Claim 21 (Original): The obstruction light according to claim 19, wherein said LED strobe light further comprises:

(b5) a modulation control configured to control the pulse signal provided to said LED light source.

Claim 22 (Original): The obstruction light according to claim 20, wherein said LED strobe light further comprises:

(b6) a modulation control configured to control the pulse signal provided to said LED light source.

Claim 23 (Original): The obstruction light according to claim 19, wherein said LED strobe light further comprises:

(b5) an optical feedback controller configured to provide a control signal to said thermoelectric device controller.

Claim 24 (Original): The obstruction light according to claim 20, wherein said LED strobe light further comprises:

(b6) an optical feedback controller configured to provide a control signal to said thermoelectric device controller.

Claim 25 (Original): The obstruction light according to claim 21, wherein said LED strobe light further comprises:

(b6) an optical feedback controller configured to provide a control signal to said thermoelectric device controller.

Claim 26 (Original): The obstruction light according to claim 22, wherein said LED strobe light further comprises:

(b7) an optical feedback controller configured to provide a control signal to said thermoelectric device controller.

Claim 27 (Canceled).

Claim 28 (Currently Amended): An obstruction light comprising:

- (a) a first strobe light source for outputting light of a first color;
- (b) an LED (light emitting diode) strobe light for outputting light of a second color,

and comprising:

- (b1) an LED light source;
- (b2) a thermoelectric device onto which said LED light source is mounted;
- (b3) thermoelectric device control means for controlling said thermoelectric device for maintaining said LED light source within a predetermined temperature range; and

(b4) control means for providing a pulse signal to said LED light source, wherein said control means (b4) comprises:

(c1) first means for providing a variable pulse height signal to said LED light

source;

(c2) second means for controlling said first means; and

(c3) third means for controlling said second means.

Claim 29 (Original): The obstruction light according to claim 28, wherein said LED strobe light further comprises:

(b5) means for sensing a temperature at at least a portion of said LED light source.

Claim 30 (Original): The obstruction light according to claim 28, wherein said LED strobe light further comprises:

(b5) means for controlling the pulse signal provided to said LED light source.

Claim 31 (Original): The obstruction light according to claim 29, wherein said LED strobe light further comprises:

(b6) means for controlling the pulse signal provided to said LED light source.

Claim 32 (Original): The obstruction light according to claim 28, wherein said LED strobe light further comprises:

(b5) optical feedback control means for providing a control signal for controlling said thermoelectric device control means.

Claim 33 (Original): The obstruction light according to claim 29, wherein said LED strobe light further comprises:

(b6) optical feedback control means for providing a control signal for controlling said thermoelectric device control means.

Claim 34 (Original): The LED light according to claim 30, wherein said LED strobe light further comprises:

(b6) optical feedback control means for providing a control signal for controlling said thermoelectric device control means.

Claim 35 (Original): The LED light according to claim 31, wherein said LED strobe light further comprises:

(b7) optical feedback control means for providing a control signal for controlling said thermoelectric device control means.

Claim 36 (Canceled).

Claim 37 (New): An LED (light emitting diode) light, comprising:

(a) an LED light source;

(b) control circuitry configured to provide a pulse signal to said LED light source,

wherein said control circuitry comprises:

(b1) a variable pulse height regulator configured to provide a variable pulse height signal to said LED light source;

(b2) a solid state switch configured to provide a control of said variable pulse height regulator; and

(b3) a timer circuit configured to provide a control of said solid state switch.

Claim 38 (New): An LED (light emitting diode) light, comprising:

(a) an LED light source;

(b) control means for providing a pulse signal to said LED light source, wherein said control means comprises:

(b1) first means for providing a variable pulse height signal to said LED light source;

(b2) second means for controlling said first means;

(b3) third means for controlling said second means.

Claim 39 (New): An obstruction light comprising:

(a) a first strobe light source for outputting strobe light of a first color;

(b) an LED (light emitting diode) strobe light for outputting light of a second color,
and comprising:

(b1) an LED light source;

(b2) control circuitry configured to provide a pulse signal to said LED light source,
wherein said control circuitry (b2) comprises:

(c1) a variable pulse height regulator configured to provide a variable pulse height signal to said LED light source;

(c2) a solid state switch configured to provide a control of said variable pulse height regulator; and

(c3) a timer circuit configured to provide a control of said solid state switch.

Claim 40 (New): An obstruction light comprising:

(a) a first strobe light source for outputting light of a first color;

(b) an LED (light emitting diode) strobe light for outputting light of a second color,
and comprising:

(b1) an LED light source;

(b2) control means for providing a pulse signal to said LED light source, wherein said
control means (b2) comprises:

(c1) first means for providing a variable pulse height signal to said LED light
source;

(c2) second means for controlling said first means; and

(c3) third means for controlling said second means.